



Brief Introduction

Sino-NSH Oil Purifier Manufacture Co., Ltd is a high-tech Company which is engaged in researching, developing and manufacturing lubrication purification equipment. Its parent company, Sino-NSH High-Tech Company, was established in 1992. NSH is located at Chongqing China where the third biggest river of the world, Yangtze, passes through it. The transportation is very convenient.

NSH regards technical innovation and satisfying service as its philosophy. Taking advantage of Human resources capital and absorbing domestic and foreign advanced purification technology, NSH is committed in making purification equipments. NSH passed the approval of the ISO 9001 quality system and become the main manufacture base of purification machine in China

NSH oil purification equipment series are extensively used in the fields of electric power, petroleum, natural gas, mechanical manufacture, steel, metallurgy, railway, aviation etc. which consume lubrication oil. It's the principal products covering more than 100 kinds of products in 7 series and can meet different needs of customers. For special demands of customers, we offer particular solutions. NSH products are not only able to lower customers' cost and maintain security effectively, but also solve the problem of which the waste oil contaminates environment.

Nowadays, the company's sales network covers all the provinces of China and exports to more than ten countries. NSH products are very popular in domestic market and foreign market based on High quality, advanced technology and excellent service.

We think that the development of NSH is derived from talent of human; the survival of NSH is based on products quality; the innovation is the power of NSH's success; the management is the source of NSH's achievement.

Our vision is to be a first class company in the world; we will work hard to pursue it step by step.

Product Catalogue

◆ Insulation Oil Series

VFD	Double-Stage High-Efficiency Vacuum Insulation Oil Purifier
VFD-A	Double-Stage Vacuum Insulation Oil Automation Purifier
VFD-R	Double-Stage Vacuum Insulation Oil Regeneration Purifier
VFD-T	Double-Stage Vacuum Insulation Oil Purifier with Tester

◆ Turbine Oil Series

TF	Turbine Oil Purifier
TF-A	Turbine Oil Automation Purifier
TF-R	Turbine Oil Regeneration Purifier

◆ Lubrication Oil Series

LV	Lubrication Oil Purifier
LV-A	Lubrication Oil Automation Purifier
LV-R	Lubrication Oil Regeneration Purifier

◆ Gas Engine Oil Regeneration System

GER Series

◆ Flame-resistant Oil series

FV	Flame-resistant Oil Purifier
FV-A	Flame-resistant Oil Automation Purifier

◆ Explosion-proof Series

EV	Explosion-proof Vacuum Purifier
EV-A	Explosion-proof Vacuum Purifier
EP	Explosion-proof Precision Filtering Purifier
EP-A	Explosion-proof Precision Filtering Purifier

◆ Spare Part

Filter

PVC steel wire reinforce hose

Silica gel for Regeneration

Regeneration units for transformer oil

VFD – Double-Stage High-Efficiency Vacuum Insulation Oil Purifier

Application

VFD series is mainly used to improve the properties of insulation oil. It can remove trace water, gas, particulate matters etc. from the insulating oil effectively and rapidly so as to boost performance of transformers, circuit breakers, mutual inductors, cable and capacitors which has insulation system. VFD series specialize in purifying branded oil, insulating oil of high voltage and super high voltage transformer. Additionally, it is suitable for treating low viscosity lubrication oil.



Description

Model VFD series utilizes coacervation technology, coalescing technology, separating technology and refined purification technology. Comparing to Model VF series, it add ROOTS vacuum system, second stage of separating system to improve the effect of purification. To remove free, soluble water, carbon, free and dissolved gases and particulate matters from insulating oil effectively and rapidly

TF – Turbine Oil Purifier

Application

TF series is particularly suitable for purifying turbine lubricating oil. It also applies to treat hydraulic, coolant oil and other lubrication in which contain large of water, vapor, impurities, sludge, dielectric and colloid.

It can eliminate them effectively and efficiently. TF series will result in the improvement of the properties of turbine oil, other lubrication and extend the maintenance period of turbine or other equipment which has lubrication system and keep them operate in good condition.



Description

TF turbine oil purifier series is developed by vacuum evaporation technology, coacervation technology, coalescing technology, separating engineering technology and refined purification technology. It can eliminate water, gas, impurities, colloid, dielectric etc. rapidly and effectively in high vacuum situation and make the waste oil reuse.

The lubrication of turbine or other equipments which has lubrication system need be replaced frequently because of vapor, water and other impurities mixed with it. Otherwise, oil deterioration would result in breakdown of machinery or affect the normal running of machinery.

TF series can effectively extend the lifetime of oil and protect turbine and other machinery which has lubrication system from damage

LV – Lubrication Oil Purifier

Application

LV series oil purifier is suitable for purifying and restoring hydraulic oil, machine oil, coolant oil and other lubrication oils. The most breakdown of machinery which has lubrication oil system results from contaminated lubrication in which has water, gas, impurities etc. LV series can rapidly remove water, gas, particulate matters and impurities from lubrication oil and improve properties of lubricating oil so as to greatly extend lifetime of machinery which has lubrication system.



Features

They own perfect capacity of removing impurities. The special filters made by NSH are made of special materials which can eliminate various impurities, water and gas effectively and rapidly.

- ✓ Automatic reverse wash system will extend the lifetime of filters and improve the performance of the filters.
- ✓ High performance security system including pressure protection device and automatic temperature controller makes purifier operate safely.
- ✓ Online work
- ✓ Easy handling and maintenance.
- ✓ Lower maintenance and replacement expenses
- ✓ High efficiency and effectiveness ,
- ✓ Small size, light weight, low noise
- ✓ Available in mobile or stationary options.
- ✓ Various sizes and configurations (shield) available.

GER – Used Oil Regeneration System

Application

NSH GER Gas engine oil regeneration System is particularly suitable to regenerate internal-combustion engine oil including diesel engine oil, gasoline engine oil and internal-combustion engine oils. GER series can effectively remove colloid, oxide, acid, pitch, particles, impurities, water, gas in the oil. Specially, GER can restore the color of used internal-combustion engine oil and remove the scent rapidly.

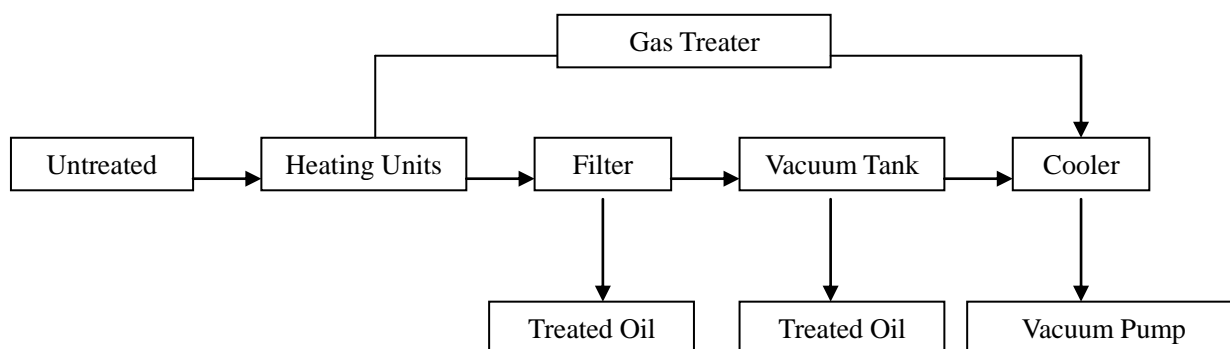


Edges of GER

- ◆ Two main filtering systems in the GER which can ensure the GER works continuously by turns.
- ◆ Environment friendly.
- ◆ Design according to different customers' needs.
- ◆ Purify blend oils.
- ◆ Low operation cost.
- ◆ Low maintenance and replacement expenses.
- ◆ High regeneration rate.
- ◆ Automatic reverse wash system will extend the lifetime of filters and improve the performance of the filters.
- ◆ High performance security system including pressure protection device and automatic temperature controller makes purifier operate safely.
- ◆ Small size, light weight, low noise.



Flow Chart



Technical Index

(Waste CC40 diesel engine oil)

Item	Unit	Theory index	Treated oil index
flow viscosity	100°C mm ² /s	12.5-16.3	11.6
Flash point (open)	≥	220	232
Acid mgkoH/g	≤	2.0	0.04
Impurity %	≤	0.01	0.006
Water-solubility acid or alkali	/	/	no
viscosity index	≥	80	91
Pour point °C	≤	-10	-26
Sulfate ash	/	/	0.172



Technical Specifications

Item	Unit	GER-1	GER-2	GER-3	GER-4	GER-5	GER Product Line
Treatment Capacity	L/8 - 10hrs	2000	4000	6000	8000	10000	Above 10000
Regeneration Rate	%	70-90%					
Working Pressure	MPa	-0.095-0.4					
Temperature	℃	60℃-200℃					
Working Noise	dB(A)	≤90					
Heating Power	KW						
Inlet/Outlet Pipe Diameter	Mm	Φ42					
Weight	kg	6000	6700	7200	8000	8500	

SINO-NSH reserves the right to change any part of this specification without notification due to improvement or any other reasons.